



STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**KNOXVILLE FIELD OFFICE**  
3711 MIDDLEBROOK PIKE  
KNOXVILLE, TENNESSEE 37921  
PHONE (865) 594-6035 FAX (865) 594-6105/5253

April 5, 2013

Mr. Ray E. Stone, President  
Berry Hills Corporation  
2839 SW 24<sup>th</sup> Ave  
Cape Coral, FL 33914

**RE: Draft NPDES Permit TN0076201 (Renewal)**  
Berry Hills Corporation  
Quarry 1  
Hawkins County

Dear Mr. Stone:

Enclosed please find a draft copy of the NPDES permit which the Division of Water Resources proposes to issue. This draft copy is furnished to you solely for your review of its provisions and does not authorize the discharge of wastewater. The issuance of an official permit is contingent upon your meeting all of the requirements of *The Tennessee Water Quality Control Act* and the rules and regulations of the Tennessee Water Resources Board.

If you disagree with the provisions and requirements contained in the draft permit, you have twenty-five (25) days from the date of this correspondence to notify us of your objections. If your objections cannot be resolved, you may appeal this permit upon issuance. This appeal should be filed in accordance with *Tennessee Code Annotated, Section 69-3-105 (i)*, and the general regulations of the Tennessee Water Resources Board.

If you have questions concerning this correspondence, contact Kristen Gettelfinger at (865) 594-5545.

Sincerely,

A handwritten signature in black ink, reading "Gary W. Mullins", is positioned above the typed name.

Gary W. Mullins  
NPDES Permitting Supervisor  
Division of Water Resources  
Mining Section

GWM:KBG

NPDES TN0076201

Enclosures

cc: Bobby Brooks, Environmental Specialist, TDEC - Knoxville EFO  
NPDES Pending File

# STATE OF TENNESSEE



## NPDES PERMIT

**DRAFT**

**NPDES Permit TN0076201**

**Renewal**

Authorization to discharge under the  
National Pollutant Discharge Elimination System

Issued By

**Tennessee Department of Environment and Conservation  
Division of Water Resources  
3711 Middlebrook Pike  
Knoxville, Tennessee 37921-6538**

Under authority of the *Tennessee Water Quality Control Act of 1977 (T.C.A. 69-3-101 et seq.)* and the delegation of authority from the United States Environmental Protection Agency under the *Federal Water Pollution Control Act*, as amended by the *Clean Water Act of 1977 (33 U.S.C. 1251, et seq.)*

Discharger: **Berry Hills Corporation**  
**Quarry 1**

is authorized to discharge treated wastewater and storm water:

from a facility located in **Hawkins** County at latitude **36°26'09"**, longitude **83°05'04"**

consisting of **36.4 acres**

to receiving waters named: **Little Poor Valley Creek - 001**

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on:

This permit shall expire on:

Transmittal date:

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Sandra K. Dudley, Ph.D., P.E.  
Director  
Division of Water Resources

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**PART I**

**A. WASTEWATER LIMITATIONS AND MONITORING REQUIREMENTS  
(Industrial Sand Mining and Processing Facility)**

1. During the period beginning with the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge treated wastewater from all point sources associated with the mining and related facilities indicated on the approved area maps.

Such wastewater shall be limited and monitored by the permittee as specified below until the site has been closed and stabilized according to plans approved by the Division. Additionally, conditions stipulated in Part III B., *Termination of Monitoring*, shall be met.

Monitoring Point (001) <sup>1</sup>				
Wastewater Characteristics	Discharge Limitations		Monitoring Requirements	
	Daily Average	Maximum for Any 1 Day	Measurement Frequency	Sample Type
Total Suspended Solids	25.0 mg/L	45.0 mg/L	Two per Month	Grab
Iron, Total	3.0 mg/L	6.0 mg/L	Two per Month	Grab
Oil and Grease	None Visible		Daily	Observe
Flow (GPM)	Report	Report	Two per Month	Estimate
pH <sup>2</sup>	6.0 to 9.0 Standard Units		Two per Month	Grab

- <sup>1</sup> Any overflow from facilities (i.e. wastewater treatment structures) governed by *40 CFR Part 436.40* shall not be subject to the above limitations if the facilities are designed, constructed, and maintained to contain or treat the volume of wastewater which would result from a 10-year/24-hour precipitation event.
- <sup>2</sup> The pH value shall lie within the range of 6.0 to 9.0 and shall not fluctuate more than 1.0 unit in this range over a period of twenty-four (24) hours.
2. There shall be no distinctly visible floating scum, oil, or other matter contained in the wastewater discharge. The wastewater discharge must not cause an objectionable color contrast in the receiving stream.
3. The wastewater discharge shall result in no other materials in concentrations sufficient to be hazardous or otherwise detrimental to humans, livestock, wildlife, plant life, or fish and aquatic life in the receiving stream.
4. Sludge or any other material removed by any treatment works shall be disposed of in a manner which prevents its entrance into or pollution of any surface or subsurface waters. Additionally, the disposal of such sludge or other material shall be in

compliance with the *Tennessee Solid Waste Disposal Act, TCA 68-211-101, et seq.* and the *Tennessee Hazardous Waste Management Act, TCA 68-212-101, et seq.*

5. Representative samples shall be taken according to the following established sampling frequencies unless otherwise approved by the Division subsequent to a specific written request by the permittee: (see Part I, E. 1. for a definition of representative sampling)

- a. Gravity Discharges from Sediment Control Structures and/or Treatment Facilities

A minimum of two samples shall be collected per month. These samples shall be taken as follows:

- 1) One sample of the first discharge during the first half of the month and
    - 2) One sample of the first discharge during the second half of the month.

- b. Batch, Siphon, or Pump Discharges

Batch, siphon, or pump discharge(s) of any treated mine wastewater from approved treatment structures shall comply with effluent standards set forth herein and shall be directed to a splashpad or the pond's spillway constructed of non-erosive material. Pumpage or batch discharge of wastewater is a prohibited bypass if the sampling procedures as stated herein are not followed.

A minimum of two samples shall be collected per month. These samples shall be taken as follows:

- 1) One sample of the first discharge during the first half of the month and
    - 2) One sample of the first discharge during the second half of the month.

- c. Duration of the discharge shall be noted on the Discharge Monitoring Report.

- d. The permittee must take proper measures to ensure that the pump intake does not stir up solids or take in sediment materials from the bottom of the treatment structure during the discharge period.

6. Any change or modification in sampling frequency will be based on the nature and effect of the discharge and its impact on the receiving waters. Impacts on the receiving waters will include any impairment of the stream use classification. These classifications are specified under *Rules of the Tennessee Department of Environment and Conservation, Chapter 1200-4-3-.03. Criteria for Water Uses, (3) Fish and Aquatic Life*. This provision applies to applicable discharges of treated wastewater and storm water covered in Part I, A and B.

## **B. Storm Water Reporting Levels and Monitoring Requirements**

Storm water discharges associated with access and haul roads and other discharges composed entirely of storm water shall be monitored by the permittee as specified below

until the site has been closed and stabilized according to plans approved by the Division. Additionally, conditions stipulated in Part III B., Termination of Monitoring, shall be met.

*NOTE: Part I B. entitled, "Storm Water Reporting Levels and Monitoring Requirements," is not applicable if all storm water discharges associated with access and haul roads and/or other areas of the permit requiring storm water coverage are routed to and adequately treated by approved wastewater treatment structures. Sufficient documentation (i.e. narrative, drainage maps, etc.) of such treatment shall be provided to the Division before this exemption is valid.*

STORM WATER DISCHARGES*			
<u>Parameters</u>	<u>Reporting Levels</u>	<u>Monitoring Requirements</u>	
<u>Measurement</u>		<u>Frequency</u>	<u>Sample Type</u>
pH	5.0 to 9.0 Standard Units at all times	Annually	Grab
Total Suspended Solids	150 mg/L	Annually	Grab
Oil and Grease	15 mg/L	Annually	Grab

\*Note: If the storm water discharge is from an area not associated with an access road or haul road or is not a source for vehicular traffic, monitoring for Oil and Grease is not required.

1. Samples shall be collected from discharges resulting from a storm event that is greater than 0.1 inch in magnitude and that occurs at least seventy-two (72) hours after any previous storm event of 0.1 inch or greater.
2. Grab samples shall be collected as soon as practicable during a storm event discharge.
3. In addition to the information contained in Part I, Section E (3), the monitoring report form shall include:
  - a. The exact location from which the sample was taken, i.e., culvert, sump, etc.
  - b. The duration (in hours), starting and ending times, and magnitude (in inches) of the storm event sampled.

**C. Sediment Control Structures and/or Treatment Facilities Construction Schedule**

1. Full compliance and operational levels shall be attained from the effective date of this permit.
2. All pollution control equipment required to meet the conditions of this permit shall be installed, be in operational condition, and shall be "started-up" prior to discharge.
3. Prior to receiving drainage from disturbance of the permitted mine area, wastewater treatment structures and/or treatment facilities shall be constructed according to approved plans and certified after construction by a Tennessee Registered Professional Engineer or an authorized responsible representative of the company. Such certifications shall be submitted to and approved by the Division.

**D. Reporting**

1. Monitoring Results

a. Wastewater Discharges

- 1) Monitoring results for wastewater discharges shall be reported on Discharge Monitoring Report (DMR) forms. DMRs shall be recorded monthly and submitted quarterly.

The first DMR is due on:

- 2) Each subsequent DMR shall be due no later than fifteen (15) days after completion of each quarterly reporting period.
- 3) DMRs shall be submitted for each outfall number listed on the permit. If a wastewater treatment structure(s) listed on the permit has not been constructed, this shall be noted on the DMR as "not constructed."

b. Storm Water Discharges

Monitoring results for storm water discharges shall be reported on Discharge Monitoring Report (DMR) forms. DMRs shall be recorded and submitted annually. The DMR is due no later than fifteen (15) days after completion of the quarterly reporting period in which the sample was taken.

2. Definition of "Quarter" for Reporting Purposes

For the purpose of this permit, a "quarter" is defined as any of the following three month periods: January 1 through March 31; April 1 through June 30; July 1 through September 30; and October 1 through December 31.



3. Submittal of Discharge Monitoring Report (DMR) Forms

The DMR with the original signature shall be submitted to the Division of Water Resources, Mining Section. A copy shall be submitted to the respective Environmental Field Office (EFO) and the permittee shall retain a copy for his file.

4. Signature Requirements for DMR Forms

Discharge Monitoring Reports (DMRs) shall be signed and certified by a principal corporate officer of at least the level of vice-president, a general partner or proprietor, or his duly authorized representative. Such authorization shall be submitted in writing, signed by the permittee, and shall explain the duties and responsibilities of the authorized representative.

5. Address for Submittal of DMR Forms

Discharge Monitoring Reports (DMRs) and any communication regarding compliance with the conditions of this permit shall be sent to:

**Tennessee Department of Environment and Conservation  
Division of Water Resources  
3711 Middlebrook Pike  
Knoxville, TN 37921-6538  
ATTENTION: Mining Compliance**

**Telephone (865) 594-6035**

**Fax (865) 594-6105**

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified herein, the results of such monitoring shall be included in the calculation and reporting of the values required on the Discharge Monitoring Report (DMR). Such increased frequency shall also be indicated.

7. Falsifying Reports

Knowingly making any false statement on any report required by this permit may result in the imposition of criminal penalties as provided for in *Section 309 of The Federal Clean Water Act of 1977*, as amended, and in *Section 69-3-115(c) of The Tennessee Water Quality Control Act of 1977*, as amended.

## **E. Monitoring Procedures**

### **1. Representative Sampling**

Samples and measurements taken in compliance with the monitoring requirements specified above shall be representative of the volume and nature of the monitored discharge and shall be taken at the following location(s): nearest accessible point after final treatment but prior to actual discharge(s) to or mixing with the receiving waters.

### **2. Test Procedures**

- a. Test procedures for the analysis of pollutants shall conform to regulations published pursuant to *Section 304(h) of The Federal Clean Water Act of 1977*, as amended, under which such procedures may be required.
- b. Unless otherwise noted in the permit, all pollutant parameters shall be determined according to methods prescribed in *Title 40, CFR, Part 136*, as amended, promulgated pursuant to *Section 304 (h) of The Federal Clean Water Act of 1977*, as amended.

### **3. Recording of Results**

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The date, exact place, and time of sampling or measurements;
- b. The individual(s) who performed the sampling or measurements;
- c. The date(s) analyses were performed;
- d. The individual(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

### **4. Records Retention**

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed and calibration and maintenance of instrumentation, shall be retained for a minimum of three (3) years, or longer, if requested by the Division of Water Resources, and be readily available to the Division's representative for review.

**PART II**

**A. General Provisions**

**1. Duty to Reapply**

Permittee is not authorized to discharge after the expiration date of this permit. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit such information and forms as are required to the Director no later than 180 days prior to the expiration date.

**2. Right of Entry**

The permittee shall allow the Director, the Regional Administrator of the U.S. Environmental Protection Agency, or their authorized representatives, upon the presentation of credentials to:

- a. Enter upon the permittee's premises where an effluent source is located or where records are required to be kept under the terms and conditions of this permit, and copy these records;
- b. Inspect any monitoring equipment or method or any collection, treatment, pollution management, or discharge facilities required under this permit and;
- c. Sample any discharge of pollutants.

**3. Availability of Reports**

Except for data determined to be confidential under *Section 308 of The Federal Clean Water Act of 1977*, as amended, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the Division of Water Resources. As required by the Federal Act, effluent data shall not be considered confidential.

**4. Proper Operation and Maintenance**

- a. Proper operation and maintenance shall be implemented at this site to control and minimize pollutants from entering the wastewater treatment structure(s). The permittee shall visually inspect the wastewater treatment structure(s) daily to ensure that no floating scum, oil, or other matter is contained in the wastewater discharge. The daily visual inspection requirement extends to BMPs or other treatment devices established to control storm water discharges associated with access roads and haul roads.
- b. The permittee shall at all times properly operate and maintain all facilities and systems (and related appurtenances) for collection and treatment installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory and

process controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

c. Dilution water shall not be added to comply with effluent requirements.

5. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal right, nor any infringement of federal, state, or local laws or regulations.

6. Severability

The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, then the application of such provision to other circumstances and to the remainder of this permit shall not be affected thereby.

7. Other Information

If the permittee becomes aware that he failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in a report to the Director, then he shall promptly submit such facts or information.

8. Best Management Practices (BMPs)

The permittee shall utilize Best Management Practices (BMPs) to prevent or minimize erosion and the contribution of suspended solids and sediment to surface waters and/or adjacent properties. Such practice(s) shall be implemented to reduce the impacts caused by disturbances created by the installation of culverts, the construction of haulroads, access roads, spoil storage, and stockpile areas, and other related activities.

BMPs include, but are not limited to, rapid grading, mulching, and revegetation of disturbed areas, sediment traps and swells, vegetative buffer zones, erosion control structures, and rock check dams. BMPs are to be utilized as supplemental or auxiliary erosion control measures, not as substitutes for monitoring requirements of point source discharges.

Additional information regarding acceptable practices may be found in the *Tennessee Erosion and Sediment Control Handbook, 4<sup>th</sup> Edition, August 2012*, which is available from the Division.

## **B. Changes Affecting the Permit**

### **1. Planned Changes**

The permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in *40 CFR 122.29(b)*; or
- b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to requirements under *40 CFR 122.42 (a) (1)*.

### **2. Permit Modification, Revocation, or Termination**

- a. This permit may be modified, revoked and reissued, or terminated for cause as described in *40 CFR 122.62* and *122.64*.
- b. The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.
- c. If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established for any toxic pollutant under *Section 307(a)* of *The Federal Clean Water Act of 1977*, as amended, the Director shall modify or revoke and reissue the permit to conform to the prohibition or to the effluent standard, providing that the effluent standard is more stringent than the limitation in the permit on the toxic pollutant. The permittee shall comply with these effluent standards or prohibitions within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified or revoked and reissued to incorporate the requirement.

### **3. Transfer of Ownership**

Individual permits are not transferable to any person except after notice to the commissioner, as specified below.

- a. The permittee notifies the Commissioner of the proposed transfer at least thirty (30) days in advance of the proposed transfer date;

- b. The notice includes a written agreement between the existing and new permittee containing a specified date for transfer of the permit responsibility, coverage, and liability between them;
- c. The permittee must provide the following information to the commissioner in their formal notice of intent to transfer ownership:
  - (1) The permit number of the subject permit;
  - (2) The effective date of the proposed transfer;
  - (3) The name and address of the transferor;
  - (4) The name and address of the transferee;
  - (5) The names of the responsible parties for both the transferor and transferee;
  - (6) A statement that the transferee assumes responsibility for the subject permit;
  - (7) A statement that the transferor relinquishes responsibility for the subject permit;
  - (8) The signatures of the responsible parties for both the transferor and transferee pursuant to the signatory requirements of this part; and
  - (9) A statement regarding any proposed modifications to the facility, its operations, or any other changes, which might affect the permit, limits and conditions contained in the permit.
- d. The Commissioner, within thirty (30) days, does not notify the existing permittee and the proposed new permittee of his intent to modify, revoke and reissue, or terminate the permit and to require that a new application be filed rather than agreeing to the transfer of the permit.

**NOTE:** To expedite and facilitate the permit transfer process and provide the required information, the Division has prepared two documents, "Notice of Transfer: National Pollutant Discharge Elimination System Permit" and "NPDES Permit Application Addresses Transfer of Ownership." These documents may be obtained by contacting the Division at telephone number **(865) 594-5460**.

#### 4. Change of Mailing Address

The permittee shall promptly provide to the Director written notice of any change of mailing address. In the absence of such notice, the original address of the permittee will be assumed to be correct.

### C. Non-Compliance

#### 1. Effect of Non-Compliance

All discharges shall be consistent with the terms and conditions of this permit. Any permit non-compliance constitutes a violation of applicable state and federal laws and is grounds for enforcement action, permit termination, permit modification, or denial of permit reissuance.

## 2. Reporting of Non-Compliance

### a. 24-Hour Reporting

In the case of any non-compliance which could cause a threat to the public drinking water supplies, or any other discharge which could constitute a threat to human health or the environment, a required notice of non-compliance shall be provided to the Division of Water Resources within twenty-four (24) hours from the time the permittee becomes aware of the circumstances.

**Telephone No. (865) 594-6035**

**Fax No. (865) 594-6105**

Additionally, written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances unless the Director on a case-by-case basis waives this requirement. The permittee shall provide the Director with the following information:

- (1) A description of the discharge and cause of non-compliance;
- (2) The period of non-compliance, including exact dates and times, or, if not corrected, the anticipated time non-compliance is expected to continue; and
- (3) The steps being taken to monitor, reduce, eliminate, and prevent recurrence of the non-complying discharge.

This written notice shall not be considered as excusing or justifying the failure to comply with the effluent limitations. This non-compliance shall also be reported on the Discharge Monitoring Report (DMR). The details may be incorporated by reference to the written five (5) day notification.

### b. Scheduled Reporting

For instances of non-compliance which are not reported under subparagraph 2(a) above, the permittee shall report the non-compliance on the Discharge Monitoring Report (DMR). The report shall contain all information concerning the steps taken, or planned, to monitor, reduce, eliminate, and prevent recurrence of the violation and the anticipated time the violation is expected to continue.

## 3. Bypassing

- a. "Bypass" means the intentional diversion of wastes from any portion of a treatment facility. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which could cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

- b. Bypass is prohibited and the Director may take enforcement action against a permittee for bypass, unless the following three (3) conditions are met:
  - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - (2) There are no feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (3) The permittee submits notice of an unanticipated bypass to the Division of Water Resources within twenty-four (24) hours of becoming aware of the bypass (if this information is provided orally, a written submission shall be provided within five (5) days). When the need for the bypass is foreseeable, prior notification shall be submitted for approval to the Director, if possible, at least ten (10) days before the date of the bypass.
- c. The Director may prohibit bypass in consideration of the adverse effect of the proposed bypass or if the proposed bypass does not meet the conditions set forth in subparagraphs 3(b)(1) and (2).
- d. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of subparagraph b. above.

#### 4. Upset

- a. "Upset" means an exceptional incident in which there is unintentional and temporary non-compliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include non-compliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- b. Conditions necessary for the demonstration of an upset. An upset shall constitute an affirmative defense to an action brought for non-compliance with such technology-based permit effluent limitations if the permittee demonstrates, through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (2) At the time the permitted facility was being operated in a prudent and workmanlike manner and in compliance with proper operation and maintenance procedures;



(3) The permittee submitted information required under "Reporting of Non-Compliance" within twenty-four (24) hours of becoming aware of the upset (if this information is provided orally, a written submission shall be provided within five (5) days); and

(4) The permittee complied with any remedial measures required under "Adverse Impact."

c. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

#### 5. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the waters of Tennessee resulting from non-compliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge. In an enforcement action it shall not be a defense for the permittee that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

### D. Liabilities

#### 1. Civil and Criminal Liability

Except as provided in permit conditions for "Bypassing," nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for non-compliance. Notwithstanding this permit, the permittee shall remain liable for any damages sustained by the state of Tennessee including, but not limited to, fish kills and losses of aquatic life and/or wildlife, as a result of the discharge of wastewater to any surface or subsurface waters. Additionally, notwithstanding this permit, it shall be the responsibility of the permittee to conduct its wastewater treatment and/or discharge activities in a manner such that public or private nuisances or health hazards will not be created.

#### 2. Liability under State Law

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or *The Federal Clean Water Act of 1977*, as amended.

#### 3. Liability to Obtain Required Permits

It is a violation of this permit to fail to obtain a permit or permit coverage for any activity that requires a permit under *The Tennessee Water Quality Control Act of 1977*.

**PART III**

**A. General Requirements**

1. Prior to the creation of any disturbed area or point source discharge within the projected area of operation, and prior to changes, corrections, modifications, or adjustments in the location of any point source discharge, an Engineering Plan shall be submitted to and approved by the Division of Water Resources.
2. No mining activity shall be conducted within the projected area of operation unless the detailed Engineering Plan for the specific area of operation or disturbance has been approved in advance. The Engineering Plan shall include those documents, maps, drawings, and other materials as required by the Division.

**B. Termination of Monitoring**

Monitoring of a discharge may be terminated when all of the following have been satisfactorily completed:

1. Sufficient data has been accumulated to show to the satisfaction of the Director of the Division of Water Resources that the untreated discharge from an area where mining is completed shall meet limitations established by the Division as stated herein [Part I, A(1), Page 1] and water quality standards. Other factors such as watershed or background characteristics may be taken into consideration if sufficient data and documentation are provided to the Division by the permittee.
2. The permittee or his duly authorized representative submits proof of final bond release, where applicable or equivalent documentation and a letter to the Division of Water Resources requesting permit termination.
3. The site has been closed and stabilized to the satisfaction of the Division.
4. After a thirty-day (30) public notice, there is no adverse public comment to uphold termination.

**C. Examples of Discharges Covered by This Permit**

Examples of discharges which are covered by *The Federal Clean Water Act of 1977*, as amended, and this permit include, but are not limited to, the following:

1. Pumped or gravity drainage from the permitted area including, but not limited to, the mine, overburden storage and stockpile areas; and other adjacent areas which are associated with or incidental to the extraction of a natural resource or related activities.
2. Discharges from sediment control structures and/or treatment facilities.

**D. Duration and Reissuance of Permits (*Rule 1200-4-5-.11 (3)*)**

The Commissioner shall review the permit and other available information to insure:

1. That the permittee is in compliance with or has substantially complied with all terms, conditions, requirements, and schedules of compliance of the expired permit;
2. That the Commissioner has up-to-date information on the permittee's production levels, permittee's waste treatment practices, nature, contents, and frequency of permittee's discharge, either pursuant to monitoring records and reports submitted to the Commissioner by the permittee; and,
3. That the discharge is consistent with applicable effluent standards and limitations, water quality standards, and other legally applicable requirements including any additions to, or revisions or modifications of such effluent standards and limitations, water quality standards, or other legally applicable requirements during the term of the permit.

**E. Reopener Clause for Permits Issued to Sources in Primary Industries**

If an applicable standard or limitation is promulgated under the *Clean Water Act*, as amended, *Sections 301 (b)(2) (C) and (D), 304 (B)(2), and 307(a)(2)* and that effluent standard or limitation is different from an effluent limitation in the permit or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked and reissued to conform to that effluent standard or limitation(s).

**F. Toxic Pollutants**

The permittee shall notify the Division of Water Resources as soon as it knows or has reason to believe:

1. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant (listed in *40 CFR, Part 122, Appendix D, Table II and III*) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - a. One hundred micrograms per liter (100 µg/L);
  - b. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
  - c. Five (5) times the maximum concentration value reported for that pollutant in the permit application; in accordance with *122.21(g)(7)*; or
  - d. The level established by the Director in accordance with *122.44(f)*.

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - a. Five hundred micrograms per liter (500 µg/L);
  - b. One milligram per liter (1 mg/L) for antimony;
  - c. Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 122.21(g)(7); or
  - d. The level established by the Director in accordance with 122.44(f).
3. They have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application under 122.21(g)(9).

#### **G. Antidegradation Statement**

Pursuant to the *Rules of the Tennessee Department of Environment and Conservation, Chapter 1200-4-3-.06*, titled "Tennessee Antidegradation Statement," and in consideration of the Department's directive in attaining the greatest degree of effluent reduction achievable in municipal, industrial, and other wastes, the permittee shall further be required, pursuant to the terms and conditions of this permit, to comply with the effluent limitations and schedules of compliance required to implement applicable water quality standards, to comply with a State Water Quality Plan or other state or federal laws or regulations, or where practicable, to comply with a standard permitting no discharge of pollutants.

#### **H. Definitions**

1. "Access Road/Haul Road" is any road constructed, maintained, or used by the operator of a mining facility primarily for the purpose of transporting raw materials, equipment, manufactured products, waste material, or by-products, and is located within the affected area.
2. "Batch Discharge" for the purpose of this permit means the controlled release through a pipe (valve) of a known quantity and quality of treated wastewater that has been pumped to a treatment structure after such water has undergone physical and/or chemical treatment to meet permit limits.
3. "Best Management Practices (BMPs)" means a practice or a combination or series of practices designed to prevent or minimize the amount of pollution generated by non-point sources, such as haulroads, access roads, spoil storage and stockpile areas, site preparation, installation of culverts, and other related activities.
4. "Bypass" means the intentional diversion of wastes from any portion of a treatment facility.
5. "Calendar Day" is defined as any 24-hour period.

6. *"Clean Water Act" or "Act"* means *The Federal Clean Water Act* (formerly referred to as *The Federal Water Pollution Control Act* or *The Federal Water Pollution Control Act Amendments of 1972*), as amended.
7. *"Commissioner"* means the Commissioner of the Tennessee Department of Environment and Conservation.
8. *"Director"* means the Regional Administrator or the State Director, as the context requires or an authorized representative.
9. *"Discharge Limitation"* means any restriction, established by Federal or State law and regulation, or developed as the result of the Best Professional Judgment of the Division, on the constituents which are discharged into waters of the state or adjacent to waters of the state.
10. *"Discharge of a Pollutant"* means: "(a) Any addition of any 'pollutant' or combination of pollutants to 'waters of the United States' from any 'point source,'... This definition includes additions of pollutants into waters of the United States from: surface runoff which is collected or channeled by man ..." (see 40 CFR 122.2)
11. *"Division"* means the Division of Water Resources.
12. *"Grab Sample"* means an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding fifteen (15) minutes.
13. *"Industrial Waste"* means any liquid, solid, gaseous substance, or combination thereof, or form of energy including heat, resulting from any process of industry, manufacture, trade, or business or from the development of any natural resource.
14. *"Maximum for any 1 day"* means a limitation of the total concentration by weight in milligrams per liter (mg/L) of any pollutant in the discharge during any time of a calendar day or (for clay only) during any time of the discharge cycle.
15. *"Mine"* shall mean an area of land, surface or underground, which is used for the development of a natural resource. Such areas include any adjacent land, the uses of which are incidental to any such mining activities including excavations, workings, impoundments, dams, dumps, stockpiles, overburden piles, holes or depressions, repair areas, storage areas, and other areas upon which are sited structures, or other property or materials on the surface, resulting from or incidental to such activities. The term "mine" also includes all lands affected by the construction of new roads or the improvement or use of existing roads, except maintained public roads, to gain access to the site of such activities and for haulage.
16. *"Mine Dewatering"* is any water that is impounded or that collects in the mine or quarry that is pumped, drained, or otherwise removed from the mine through the efforts of the mine operator. The term also includes wet pit overflows caused solely by direct rainfall, groundwater seepage, or surface runoff entering the mine area.

17. *"Monthly Average Concentration"* is a limitation on the discharge concentration in milligrams per liter, as the arithmetic mean of all daily concentrations determined in a one-month period.
18. *"National Pollutant Discharge Elimination System (NPDES)"* means the Federal Environmental Protection Agency's (EPA) national program for issuing, modifying, revoking and reissuing, terminating, monitoring, and enforcing water quality permits. The term includes an "approved state program."
19. *"Other Storm Water Discharge"* means a discharge composed entirely of storm water that is not treated or monitored in the approved mine wastewater treatment system.
20. *"Per Discharge"* as used in this permit refers to the duration of treated mine wastewater discharge. Any single continuous discharge lasting more than seventy-two hours (72) represents a new discharge cycle and must be sampled each additional day beyond the seventy-two (72) hours.
21. *"Pollutant"* for the purpose of this permit means industrial waste.
22. *"Processing Facility"* is all or any part of the process involved in treating a mineral or raw material to improve properties and/or remove impurities. Processing may include any or all of the following activities: sizing, screening, crushing, separating, and washing.
23. *"Process Generated Wastewater"* is any wastewater used in the slurry transport of mined material, air emissions control, or processing exclusive of mining. The term also includes any other water which becomes commingled with such wastewater in a pit, pond, lagoon, mine, or other facility used for treatment of such wastewater.
24. *"Regional Administrator"* means the Administrator for the Environmental Protection Agency or his authorized representative.
25. *"Sediment Control Structure"* means a designed device, constructed or manufactured, used in controlling the subsidence and deposition process of suspended matter, carried by water, wastewater, or other liquids. The structure reduces the velocity of the liquid below the point at which it can transport the suspended materials (sand, silt, gravel, clay, etc.) to allow settling. These structures may be called settling lagoons, silt ponds, detention basins, holding ponds, or settling ponds/basins.
26. *"Storm Water Application Rule"* is the EPA Regulation promulgated on November 16, 1990, and amended March 21, 1991, November 5, 1991, and April 2, 1992, requiring that application be made for an NPDES permit for storm water discharges associated with industrial activity.
27. *"Storm Water Discharges Associated with Industrial Activity"* means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing, or raw materials storage areas

at industrial plants. The term includes storm water discharges from immediate access roads and haulroads.

28. *"Storm Water"* means storm water runoff, snow melt runoff, and surface runoff and drainage.
29. *"Tennessee Water Quality Control Act of 1977,"* as amended, *TCA 69-3-101 et seq.*, is the act that sets forth the guidelines and procedures for the abatement and prevention of pollution to the waters of the state. The act enables the state of Tennessee to qualify for full participation in the NPDES permit program.
30. The term *"10 year, 24 hour precipitation event"* means the maximum 24-hour precipitation event with a probable recurrence interval of once in ten (10) years as defined by the National Weather Service and Technical Paper No. 40, "Rainfall Frequency Atlas of the U.S.," May 1961, and subsequent amendments or equivalent regional or rainfall probability information developed therefrom.
31. The term *"closed and stabilized"* means the approved measures, procedures, and activities implemented to assure that any and all discharges from a facility that has completed mining and processing operations meet state water quality standards before NPDES permit termination. These activities include, but are not limited to, revegetation, removal of wastewater treatment structures, regrading, dismantling and removal of processing facilities and structures, equipment, machinery, and transport vehicles.
32. The term with *"asphalt plant"* means a mining facility whose treatment system receives surface runoff and/or drainage from an asphalt concrete plant located within the boundaries of the NPDES permit.
33. *"Upset"* means an exceptional incident in which there is unintentional and temporary non-compliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include non-compliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
34. *"Waters"* means any and all water, public or private, on or beneath the surface of the ground, that are contained within, flow through, or border upon Tennessee or any portion thereof, except those bodies of water confined to and retained within the limits of private property in single ownership that do not combine or effect a junction with natural surface or underground waters;

**RATIONALE**

**Industrial Sand Mining and Processing Facility**

**BERRY HILLS CORPORATION  
QUARRY 1  
NPDES PERMIT TN0076201  
CAMELOT, HAWKINS COUNTY, TENNESSEE**

March 15, 2013

*Permit Writer: Kristen Gettelfinger*

**I. DISCHARGER**

Berry Hills Corporation  
2839 SW 24<sup>th</sup> Avenue  
Cape Coral, FL 33914

Contact: Mr. Ray E. Stone, President

Facility Location: Route 94  
Camelot, TN 37857

Nature of Business: Industrial Sand Mining and Processing Facility

SIC Code: 1446

Industrial Classification: Secondary, Industrial Sand

Discharger Rating: Minor

**II. PERMIT STATUS**

NPDES Permit TN0076201 issued July 29, 2008.

NPDES Permit TN0076201 expires July 28, 2013.

Application for Renewal received January 25, 2013.



### **III. FACILITY DISCHARGES AND RECEIVING WATERS**

This facility discharges treated wastewater and storm water from Outfall 001 into Little Poor Valley Creek in Camelot, Tennessee. The classified uses for this stream are Fish and Aquatic Life, Irrigation, Livestock Watering and Wildlife, and Recreation. See *Rules of the Tennessee Department of Environment and Conservation, Chapter 1200-4-4*.

### **IV. APPLICATION TYPE AND BACKGROUND INFORMATION**

This application is for NPDES permit renewal based on currently approved plans. The total permitted acreage is 36.4 acres. There are no additional changes in wastewater treatment, drainage control, or monitoring points proposed at this time.

This facility is an industrial sand mining and processing facility. At the time of this permit renewal, the site was not developed. According to plans, mine wastewater drains to treatment structures for settling of solids, chemical additives, and pH adjustment as needed. The sediment control structures, including all appropriate best management practices (BMPs) are in place and part of the permitted area. This application includes a letter of certification regarding the facility status, and a detailed map showing the mine area.

### **V. APPLICABLE EFFLUENT LIMITATIONS GUIDELINES**

Federal effluent limitations guidelines have been adopted for facilities engaged in the mining and processing of sand for uses other than construction and fill. These uses include, but are not limited to glassmaking, molding, abrasives, filtration, refractories, and refractory bonding. The federal effluent guidelines for this industry include limits for Total Suspended Solids (TSS) and pH.

NPDES permits for industrial sand facilities include effluent limitations guidelines for Total Iron. In addition, a monitoring requirement for Oil and Grease is established for this operation. These additional monitoring requirements are designed to protect the water quality of the receiving streams. This action is supported by applicable state regulations and Best Professional Judgment (BPJ) of the Division.

#### **A. Total Suspended Solids (TSS)**

Effluent limitations guidelines for TSS are based on federal regulations contained in *40 CFR 436.42 (Subpart D)*. The Division has determined that the federal guidelines are adequate to protect the classified uses of the receiving stream(s). The following effluent limitations provide the Best Practicable Control Technology Currently Available (BPCTCA) for this industry:

Monthly Average Concentration	25.0 mg/L
Maximum for Any 1 Day Concentration	45.0 mg/L

B. pH

Federally promulgated effluent limitations guidelines for pH are in effect for industrial sand facilities. (See 40 CFR 436.42 Subpart D). The following limits are established for pH:

pH 6.0 - 9.0 Standard Units\*

**NOTE:** *Rules of Tennessee Department of Environment and Conservation, Chapter 1200-4-3-.03, General Water Quality Criteria* establishes criteria for uses of state waters. To protect and maintain the classified use of the receiving stream for fish and aquatic life, the pH value shall not fluctuate more than 1.0 unit over a period of 24 hours and shall not be outside the following ranges: 6.0 – 9.0 in wadeable streams and 6.5 – 9.0 in larger rivers, lakes, reservoirs, and wetlands.

C. Total Iron and Oil and Grease

The Division is retaining Total Iron as a wastewater parameter to be monitored at facilities engaged in the mining and processing of industrial sand. The decision to monitor this wastewater parameter is based on site observations, an analysis of wastewater characteristics, and a review of available monitoring data. In the Best Professional Judgment (BPJ) of the Division, the following limitations are established:

Monthly Average Concentration	3.0 mg/L
Maximum for Any 1 Day Concentration	6.0 mg/L

Oil and Grease	Visibility*
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\*The visibility standard is based on the *Rules of the Tennessee Department of Environment and Conservation, Chapter 1200-4-5-.03*.

D. General Water Quality Criteria

This NPDES permit includes the following provisions:

- 1) There shall be no visible floating scum, oil, or other materials contained in the wastewater discharge. The wastewater discharge must not cause an objectionable color contrast.
- 2) The wastewater discharge shall result in no other materials in concentrations sufficient to be hazardous or otherwise detrimental to humans, livestock, wildlife, plant life, or fish and aquatic life in the receiving stream.

These provisions are based on Tennessee water quality standards contained in *Rules of the Tennessee Department of Environment and Conservation, Chapter 1200-4-3, General Water Quality Criteria*.

## VI. PREVIOUS PERMIT LIMITS AND MONITORING REQUIREMENTS

Monitoring Point (001)				
Wastewater Characteristics	Discharge Limitations		Monitoring Requirements	
	Daily Average	Maximum for any 1 Day	Measurement Frequency	Sample Type
Total Suspended Solids	25.0mg/L	45.0 mg/L	Two per Month	Grab
Iron, Total	3.0 mg/L	6.0 mg/L	Two per Month	Grab
Oil and Grease		None Visible	Daily	Observe
Flow (GPM)	Report	Report	Two per Month	Estimate
pH	6.0 to 9.0	Standard Units	Two per Month	Grab

## VII. NEW PERMIT LIMITS

New permit limits are the same as limits from the previous permit (Section VI).

## VIII. PRECIPITATION EVENTS

Any overflow from facilities (i.e. wastewater treatment structures) governed by 40 CFR 436.40 shall not be subject to the effluent limitations guidelines covered by this regulation if the facilities are designed, constructed, and maintained to contain or treat the volume of wastewater which would result from a 10-year/24-hour precipitation event.

**\*\*Note:** If a discharge is associated with drainage from an asphalt plant, the precipitation event provision is not applicable.

## IX. MONITORING REQUIREMENTS FOR WASTEWATER DISCHARGES

EPA regulations require that monitoring and sampling frequencies be sufficient to yield data that are representative of the monitored activity including, if appropriate, continuous monitoring. See 40 CFR 122.48. A measurement schedule of twice per month for Total Suspended Solids, Flow, and pH will be established for discharges at this facility.

The nature and effect of the discharge and its impact on the receiving waters will be the basis for any change or modification in monitoring frequency. Impacts on the receiving waters will include the impairment of the stream use classifications. These classifications are specified under *Rules of the Tennessee Department of Environment and Conservation Chapter 1200-4-3, Criteria for Water Uses (3) Fish and Aquatic Life*.

## **X. STORM WATER DISCHARGES**

### **Access Roads and Haul Roads and Other Areas or Sources for Storm Water**

#### Limitations on Coverage

Most storm water runoff at mining facilities enters the mine treatment system (i.e., sediment control ponds). The combined runoff is considered mine wastewater/process wastewater and must meet the applicable effluent limitations for the discharge of treated mine wastewater. Applicable effluent limitations guidelines also cover runoff associated with access roads and haul roads that are constructed of mine waste materials and/or where mine wastewater is used for dust suppression.

The storm water provision applies only to discharges composed entirely of storm water runoff that is not directed to and/or controlled by existing or proposed treatment structures/systems for mine wastewater. Sufficient documentation (i.e., application plans, maps, addendums, etc.) of such treatment must be provided to the Division before the exemption is valid. Storm water is defined as storm water runoff, snow melt runoff, and surface runoff and drainage. *40 CFR 122.26.*

#### Background

In the *Water Quality Control Act of 1987*, Congress established controls on storm water discharges and authorized EPA to promulgate NPDES permit application rules for storm water discharges associated with industrial activities. These rules cover active and inactive mining operations within the meaning of storm water discharges associated with industrial activities. *40 CFR 122.26.*

The definition of storm water discharges associated with industrial activities also covers access roads and haul roads. These areas are likely sources for pollutants associated with raw materials, intermediate products, and finished products that are transported to and from the facility. These roads will also be sources for pollutants such as oil and grease from vehicles and machinery using these roads. *55 FR 48065, November 16, 1990.* These provisions also cover other areas or sources on the NPDES permit boundary that include discharges composed entirely of storm water. *40 CFR 122.26.*

In accordance with EPA and state regulations, the Division has added these provisions to the NPDES to cover monitoring and reporting requirements for storm water discharges associated with access roads and haul roads and other areas or sources on the permit that include discharges composed entirely of storm water. These requirements are as follows:

<u>Parameter</u>	<u>Reporting Level</u>	<u>Monitoring Requirements</u>	
		<u>Measurement Frequency</u>	<u>Sample Type</u>
Total Suspended Solids	150 mg/L*	Annually	Grab
Oil & Grease	15 mg/L	Annually	Grab
pH	5.0 to 9.0 Standard Units	Annually	Grab
* If the storm water discharge is from an area not associated with an access road and haul road or is not a source for vehicular traffic monitoring for Oil and Grease is not required.			

The permittee shall monitor at least once a year the designated storm water outfalls (or demonstrated representative outfalls) associated with access roads and haul roads and/or any other area requiring storm water coverage. The sample shall be collected during any period (quarter) of the calendar year, as long as the samples are representative of the quantity and quality of the storm water runoff being discharged from the facility. The once per year monitoring requirement is based on 40 CFR 122.44, TNR050000, Sector AD, 5.1.1 and Best Professional Judgment (BPJ) of the Division.

Sources for the parameter reporting levels for storm water discharges include Sector AD of the Tennessee Storm Water Multi-Sector General Permit (TMSP), TNR050000 and Best Professional Judgment (BPJ) of the Division. The TMSP was reissued on May 15, 2009, and became effective on June 1, 2009. Sector AD includes reporting levels for pH, Oil and Grease, and Total Suspended Solids, the pollutants of primary concern relating to mine access roads and mine haul roads.

Total Suspended Solids (TSS) reporting level is based on Best Professional Judgment (BPJ) after evaluating available monitoring data. The importance of the TSS reporting parameter is expressed as follows: "TSS is a reasonable screen or indicator of storm water discharge quality since many storm water pollutants are themselves suspended solids, or enter receiving waters attached to solids." TMSP TNR050000, Rationale, page R-15

## **XII. MONITORING, INSPECTION, AND COMPLIANCE INFORMATION**

This facility has yet to be developed. Based on a review of the DMRs, there was no discharge at the facility. The site was inspected six times during the previous permit period.

## **XIII. STATE OF TENNESSEE ANTIDEGRADATION POLICY**

Tennessee's Antidegradation Statement is found in Chapter 1200-4-3-.06 of the Rules of the Department of Environment and Conservation. The primary purpose of the

antidegradation policy is to establish a greater level of protection for those waters that are identified to be of high quality.

Generally, there are two types of high quality waters. Outstanding National Resource Waters (ONRW's) are specifically designated by the Water Resources Board and are afforded the greatest level of protection. No new discharges or expansion of existing discharges are allowed that will result in measurable degradation of the existing water quality. See 1200-4-3-.06 (5). Other high quality waters are identified by the Department as Exceptional Tennessee Waters and are also protected against degradation. Some degradation may be allowed only if the Water Resources Board deems it economically and socially necessary. See 1200-4-3-.06 (4).

"Available conditions" occur where water quality is better than the applicable criterion for a specific parameter. In available conditions, new or additional degradation for that parameter will only be allowed if the applicant has demonstrated to the department that reasonable alternatives to degradation are not feasible. See 1200-4-3-.06 (3).

"Unavailable conditions" exist where water quality is at, or fails to meet, the criterion for one or more parameters. In unavailable conditions, new or increased discharges of a substance that would cause or contribute to impairment will not be allowed. See 1200-4-3-.06 (2).

Once developed, this site will discharge to Little Poor Valley Creek in Hawkins County, Tennessee. This stream is not identified or designated as Exceptional Tennessee Water or Outstanding National Resource Waters (ONRW), nor is it listed as impaired in the "EPA Approved Final Version Year 2012 303(d) List." Renewal of this existing permit does not constitute a change in the character of the wastewater and storm water discharged at Outfall 001.

#### **XIV. PUBLIC PARTICIPATION OPPORTUNITIES**

##### *Applicant and Permittee Responsibilities*

Applicants for new NPDES permits to discharge and existing permittees who wish to modify permits by expanding discharges shall notify the public of the application by posting a sign near the point of entrance to the facility and within view of a public road. Expanded discharges include new treatment and monitoring points, additional acreage and major changes to the treatment system affecting the volume and quantity of the discharge.

The sign shall be of such size that is legible from the public road. The sign must be maintained for a least thirty (30) days following submittal of the application to the Division. The sign posting for new and expanded discharges is a requirement of *Chapter 1200-4-5-.06 (12) of the Department of Environment and Conservation*.

### How to Comment

Comments may be submitted until the expiration date listed on the Division's public notice announcing the proposed permit activity.

State of Tennessee  
Department of Environment and Conservation  
Division of Water Resources  
Mining Section  
3711 Middlebrook Pike  
Knoxville, Tennessee 37921-6538  
Telephone (865) 594-6035 Fax (865) 594-6105  
Attn: Public Notice Coordinator  
E-Mail: [Gary.Mullins@tn.gov](mailto:Gary.Mullins@tn.gov)

### How to Request a Public Hearing

Interested persons may request in writing that the Director of the Division of Water Resources hold a public hearing on this application. The request must be filed within the comment period and must indicate the interest of the party filing it and the reasons for a hearing. When there is significant public interest for a hearing, a hearing will be conducted according to *Chapter 1200-4-5-.06 (12) of the Department of Environment and Conservation*.

### How the Department will Proceed

The Director of the Division of Water Resources will determine the final permit action after considering comments submitted during the comment period, the hearing record, if any, and the requirements of the Federal and State acts and regulations.

### To obtain Application Details and Additional Information

Copies of this application, draft permit, and supporting documentation are in the permit files maintained at the Mining Section's office at the above address. This file is available for public inspection during normal visiting hours by contacting [Kara.Blevins@tn.gov](mailto:Kara.Blevins@tn.gov) or calling (865) 594-5460.

## **XV. PERMIT DURATION**

The proposed limitations meet the requirements of *Section 301(b)(2)(A), (C), (D), (E), and (F) of The Federal Clean Water Act of 1987*. This permit will be issued for a five (5) year term.

**303(d) Permitting Checklist**

1. Indicate the status of this discharge. ☒ Existing ☐ New ☐ Recommencing

2. Indicate the NPDES permit number, if assigned. TN0076201

3. List the receiving stream and discharge point(s) in stream miles. 001 - Little Poor Valley Creek

4. List the HUC and watershed name. TN06010104 - Holston River Basin

5. Is the receiving stream on the State of Tennessee's 303(d) list? ☐ Yes ☒ No

*If the answer to 5 above is "no", then stop. Sign and date the bottom of the form. Route to the NPDES permit file and/or the Planning limits file.*

6. List the known causes of impairment. \_\_\_\_\_

7. Does this discharge represent an increase in pollutants that have caused the stream to be included in the 303(d) list? ☐ Yes ☐ No

*If the answer to 7 above is "no", complete 8 and 9 below. Sign and date the form. Route to the NPDES permit file. If the answer to 7 above is "yes", go on to number 10 below.*

8. Explain why the proposed discharge is not expected to cause an increase in the pollutants listed in the 303(d) report or known causes of impairment listed in (6).  
\_\_\_\_\_

9. Identify the source of the information in 8 above (i.e. permit file, application, literature).  
\_\_\_\_\_

10. If oxygen-demanding substances are involved, does D.O. modeling indicate further degradation?  
☐ Yes ☐ No ☐ N/A Attach modeling results, if applicable.



11. If nutrients are involved, is effluent data available? ☐ Yes ☐ No ☐ N/A Attach data, if applicable.

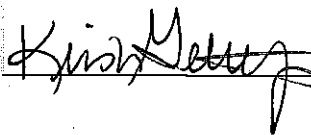
If effluent nutrient data is not available, indicate the expected effluent concentrations and the source of that information (i.e. data from similar facilities, literature).

12. If metals or toxics are involved, does the WLA calculation indicate a measurable instream increase? (Use the RDLs from the Water Quality Standards to determine)  
☐ Yes ☐ No ☐ N/A Attach the WLA calculation, if applicable.

13. For each parameter identified in 10 and/or 13, indicate and justify the permit condition (limit, compliance schedule, monitoring, TMDL, etc.) selected. Use additional sheets as necessary

PARAMETER	PERMIT CONDITION	RATIONALE

14. Signature of person completing this form:



Date: 3/11/13

15. Signature of reviewer:



Date: 4/1/13